

**ABSTRACT OF THE DISCLOSURE**

[1098] Including source-level data object information in code profiling data enhances code optimization because it provides new perspectives to view code behavior. A method provides for identifying an operation instance of code that corresponds to a runtime event, which is detected in execution of the code. The detected event is attributed to a source-level data object that corresponds to a source-level representation of a language construct. The attribution is based on a predefined association between the identified operation instance and the language construct of the source-level representation that corresponds to the source-level data object.